



TOTAL SOLAR ECLIPSE DATES 1800-2099

1800-1809 [5]:

Mar 4, 1800
Feb 21, 1803
Aug 5, 1804
Jun 16, 1806
Oct 9, 1809

1810-1819 [6]:

Mar 24, 1811
Jul 27, 1813
Jul 6, 1815
Nov 19, 1816
Nov 9, 1817
Oct 29, 1818

1820-1829 [5]:

Mar 14, 1820
Mar 4, 1821
Aug 16, 1822
Jun 26, 1824
Apr 3, 1829

1830-1839 [8]:

Aug 7, 1831
Jul 27, 1832
Jul 17, 1833
Nov 30, 1834
Nov 20, 1835
Nov 9, 1836
Mar 25, 1838
Mar 15, 1839

1840-1849 [5]:

Aug 27, 1840
Jul 8, 1842
Dec 21, 1843
Apr 15, 1847
Aug 18, 1849

1850-1859 [7]:

Aug, 7, 1850
Jul 28, 1851
Dec 11, 1852
Nov 30, 1853
Apr 5, 1856
Mar 25, 1857
Sept 7, 1858

1860-1869 [6]:

Jul 18, 1861
Dec 31, 1861
Apr 25, 1865
Aug 29, 1867
Aug 18, 1868
Aug 7, 1869

1870-1879 [6]:

Dec 22, 1870
Dec 12, 1871
Apr 16, 1874
Apr 06, 1875
Sept 17, 1876
Jul 29, 1878

1880-1889 [8]:

Jan 11, 1880
May 17, 1882
May 6, 1883
Sept 8, 1885
Aug 29, 1886
Aug 19, 1887
Jan 1, 1889

Dec 22, 1889

1890-1899 [5]:

Apr 26, 1892
Apr 16, 1893
Sept 29, 1894
Aug 9, 1896
Jan 22, 1898

1900-1909 [7]:

May 28, 1900
May 18, 1901
Sept 21, 1903
Sept 9, 1904
Aug 30, 1905
Jan 14, 1907
Jan 31, 1908

1910-1919 [7]:

May 9, 1910
Apr 28, 1911
Oct 10, 1912
Aug 21, 1914
Feb 3, 1916
Jun 8, 1918
May 29, 1919

1920-1929 [8]:

Oct 1, 1921
Sept 21, 1922
Sept 10, 1923
Jan 24, 1925
Jan 14, 1926
Jun 29, 1927
May 19, 1928
May 9, 1929

1930-1939 [7]:

Oct 21, 1930
Aug 31, 1932
Feb 14, 1934
Jun 19, 1936
Jun 8, 1937
May 29, 1938
Oct 12, 1939

1940-1949 [7]:

Oct 1, 1940
Sept 21, 1941
Feb 4, 1943
Jan 25, 1944
July 9, 1945
May 20, 1947
Nov 1, 1948

1950-1959 [8]:

Sept 12, 1950
Feb 25, 1953
Jun 30, 1954
Jun 20, 1955
Jun 8, 1956
Oct 23, 1957
Oct 12, 1958
Oct 2, 1959

1960-1969 [7]:

Feb 15, 1961
Feb 5, 1962
Jul 20, 1963
May 30, 1965
Nov 12, 1966
Nov 2, 1967
Sept 22, 1968

1970-1979 [7]:

Mar 7, 1970
Jul 10, 1972
Jun 30, 1973
Jun 20, 1974
Oct 23, 1976
Oct 12, 1977
Feb 26, 1979

1980-1989 [6]:

Feb 16, 1980

Jul 31, 1981

June 11, 1983

Nov 22, 1984

Nov 12, 1985

Mar 18, 1988

1990-1999 [8]:

Jul 22, 1990

Jul 11, 1991

Jun 30, 1992

Nov 3, 1994

Oct 24, 1995

Mar 9, 1997

Feb 26, 1998

Aug 11, 1999

2000-2009 [6]:

Jun 21, 2001

Dec 4, 2004

Nov 23, 2003

Mar 29, 2006

Aug 1, 2008

Jul 22, 2009

2010-2019 [6]:

Jul 11, 2010

Nov 13, 2012

Mar 20, 2015

Mar 9, 2016

Aug 21, 2017

Jul 2, 2019

2020-2029 [6]:

Dec 14, 2020

Dec 4, 2021

Apr 8, 2024 *

Aug 12, 2026

Aug 2, 2027

Jul 22, 2028

2030-2039 [7]:

Nov 25, 2030

Mar 30, 2033

Mar 20, 2034

Sept 2, 2035

Jul 13, 2037

Dec 26, 2038

Dec 15, 2039

2040-2049 [7]:

Apr 30, 2041
Apr 20, 2042
Apr 9, 2043
Aug 23, 2044
Aug 12, 2045
Aug 2, 2046
Dec 5, 2048

2050-2059 [6]:

Mar 20, 2052
Sept 12, 2053
Jul 24, 2055
Jan 5, 2057
Dec 26, 2057
May 11, 2059

2060-2069 [6]:

Apr 30, 2060
Apr 20, 2061
Aug 24, 2063
Aug 12, 2064
Dec 17, 2066
May 31, 2068

2070-2079 [9]:

Apr 11, 2070
Sept 23, 2071
Sept 12, 2072
Aug 3, 2073
Jan 16, 2075
Jan 6, 2076
May 22, 2077
May 11, 2078
May 1, 2079

2080-2089 [6]:

Sept 3, 2081
Aug 24, 2082
Dec 27, 2084
Jun 11, 2086
Apr 21, 2088
Oct 4, 2089

2090-2099 [8]:

Sept 23, 2090
Aug 15, 2091
Jan 27, 2093
Jan 16, 2094
Jun 2, 2095
May 22, 2096
May 11, 2097
Sept 14, 2099

Total Solar Eclipses' 1800-2099: 200 TEs over 300[299]yrs

>66%

Jan 13	Jul 20
Feb 10	Aug 28
Mar 16	Sept 18
Apr 17	Oct 14
May 18	Nov 15
Jun 16	Dec 15

22/200 are double-digit dates [d3] 11%
 d3 is a 2/30 chance [6.6%]

Highest Rate of TE is August w/ 14%
 Lowest Rate of TE is February w/ 5%

33% of all TEs fell between Jul-Sept [66TE]
 22% of all TEs fell between Oct-Dec
 19.5% of all TEs fell between Jan-Mar
 25.5% of all TE's fell between Apr-Jun

90 TEs occurred 1st half of the year 45%
 110 TEs occurred 2nd half off the year 55%

Solstices are June + December [31TSEs]
 Equinoxes are March + September [34 TSEs]
 Solstices+Equinoxes= 65 TSEs
 65TSEs/200 TTEs= 32.5% were in either Solstice or Equinox months

*roughly 66 /67 per 100 yrs
 0.67% per yr

**TSE/TE= Total Solar Eclipse

April 8th 2024's eclipse is the 148th TSE since 1800
 & it is the 12th TSE in the month of April since 1800